BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

APPROVED SCHEDULE –'B'

Name of Work: -Drillings of Borewell and Providimg water facilities in Ward No-01.

Sl	Description	Unit	No	Length	Approved Qty	Approved Rates	
						Rate	Rate in Words
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)	Nos	2		2.00	1882.00	Rupees one thousand eight hundred eighty two only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)	Rmt					
	0.00 to 50.00 Mtr.		2	50.00	100.00	315.18	Rupees three hundred fifteen and paise eighteen only
	50.00 to 100.00 Mtr.		2	50.00	100.00	412.00	Rupees four hundred twelve only
	100.00 to 150.00 Mtr.		2	50.00	100.00	458.35	Rupees four hundred fifty eight and paise thirty five only
	150.00 to 200.00 Mtr.		2	50.00	100.00	484.10	Rupees four hundred eight four and paise ten only
	200.00 to 250.00 Mtr.		2	50.00	100.00	560.32	Rupees five hundred sixty and paise thirty two only
	250.00 to 300.00 Mtr.		2	50.00	100.00	600.49	Rupees six hundred and paise forty nine only
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)	Rmt	2	60.00	120.00	1364.75	Rupees one thousand three hundred sixty four and paise seventy five only

EXECUTIVE ENGINEER-4
KRIDL, BBMP, DIVISION,

4	Providing and fixing 250mm dia PVC 6 kg/sqcm pressure pipe including jointing and labur charges for laying pipes and as per specification and directions. (BWSSB SR 13-14, P.No.45 I.no.1 of sl.no.11.)	Each	2	15.00	30.00	1133.00	Rupees one thousand one hundred thirty three only
5	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)	Each	2		2.00	100.00	Rupees one hundred only
6	M.S. Casing pipe collars 175mm dia (P.NO-III, I.NO-86, PRED 12-13 SR)	Each	2	15.00	30.00	150.00	Rupees one hundred fifty only
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 30 stage (P.NO-XXXXIII, I.NO-33, PWD SR 13-14) kirloscar pumps	Set	2		2.00	70600.00	Rupees seventy thousand six hundred only
8	Providing, GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc, complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 13-14 PWD Page No XVII code No 509, 0154)	Rmtr	2	270.00	540.00	330.63	Rupees three hundred thirty and paise sixty three only
9	Providing & fixing socket GI (heavy duty collar) (Pwd SR pg xxxviii)	No	2	55.00	110.00	84.80	Rupees eighty four and paise eighty only
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0 3mm dia (P.NO-535, I.NO-30 (c), BWSSB 12-13 SR)	Mtr	2	600.00	1200.00	164.29	Rupees one hundred sixty four and paise twenty nine only
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	No					
			2		2.00	10000.00	Rupees ten thousand only
			1		1.00	10000.00	Rupees ten thousand only
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)	Sqm Cm					
			2		2.00	0.34	Paise thirty four only
			4		4.00	0.34	Paise thirty four only

EXECUTIVE ENGINEER-4
KRIDL, BBMP, DIVISION,
BANGALORE-560 010

13	Providing & Fixing of clamps set and borewell cap to the pump .	No's	2		2.00	450.00	Rupees four hundred fifty only
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.) (PWD SR 13-14, P.NO.XXIV, Sl.no, 673)	No's					
			2		2.00	1600.00	Rupees one thousand six hundred only
			5		5.00	1600.00	Rupees one thousand six hundred only
15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR 13-14, P.NO.XXIV, Sl.no, 659)	No's					
			2		2.00	1145.00	Rupees one thousand one hundred forty five only
			5		5.00	1145.00	Rupees one thousand one hundred forty five only
16	KSRB 13.6.3.6 Providing and fixing in position brass gate valve with CI wheel of approved quality (Screwed end) 50mm nominal bore including cost of all materials labour and HOM of equipments with all lead complete as per specifications specification No KBS 13.2.6/13.3 (page No 97 item no 13.37)	No's					
			2		2.00	1612.44	Rupees one thousand six hundred twelve and paise forty four only
			5		5.00	1612.44	Rupees one thousand six hundred twelve and paise forty four only
17	Providing and fixing of 50mm GI bend to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's					
			2		2.00	219.00	Rupees two hundred nineteen only
			4		4.00	219.00	Rupees two hundred nineteen only
18	Providing and fixing of 50mm GI Nipple to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's					
			2		2.00	104.30	Rupees one hundred four and paise thirty only
			30		30.00	104.30	Rupees one hundred four and paise thirty only
19	Providing and fixing of 50mm GI union to the motor ((PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's					
			2		2.00	223.70	Rupees two hundred twenty three and paise seventy only
			4		4.00	223.70	Rupees two hundred twenty three and paise seventy only
20	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)	Per Length	2	55.00	110.00	90.64	Rupees ninty and paise sixty four only
21	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)	No's	2		2.00	475.00	Rupees four hundred seventy five only

EXECUTIVE ENGINEER-1
KRIDL, BEMP, DIVISION,
BANGALORE-560 010

22	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required. 5 to 30 amps triple pole with all leadn and lift loading unloading and labour charges etc complete as per specifications Group A (P No 6.15.9/P.No 54 Ele Sr 2014-15)	No's	2		2.00	1125.79	Rupees one thousand one hundred twenty five and paise seventy five only
23	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr	2	40.00	80.00	169.95	Rupees one hundred sixty nine and paise ninty five only
24	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete as per Civil SR KSRB 1.2 P-7 P No 68/ I No 7.93 KPWD Electrical Sr 2014-15	Mtr	2	40.00	80.00	109.18	Rupees one hundred nine and paise eighteen only
25	Supplying and fixing of class A (meadium duty) GI pipe of wall thickness not less than 3.25mm on pole / wall/ drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P No 69/ I No 15-A KPWD Electrical SR 2014-15	Mtr	2	3.00	6.00	355.35	Rupees three hundred fifty five and paise thirty five only
26	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia PWD Electrical Sr 1999-2000 P 62 I No 7 KPWD Electrical SR 2014-15	No's	2		2.00	2808.81	Rupees two thousand eight hundred eight and paise eighty one only
27	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc,P No 69, I No 7.132 KPWD Electrical SR 2014-15	No's	2		2.00	288.40	Rupees two hundred eighty eight and paise forty only
28	Supplying and fixing one of the fuse cut outs having porcelain base appproved quality on the existing wooden block and wiring complete 16amps	No's	2		2.00	288.40	Rupees two hundred eighty eight and paise forty only
29	Supplying shunt trip capacitors confirming to IS 2834 3 phase 400/440 volts grade for power factor improvement of rotating machinery capacitor in KVAR rating Nos 2 KVAR Capacity with all lead and lift loading unloading and labour charges etc complete as per specification (P No 54 /S No 6.13 KPWD Sr 2013-14)	No's	2		2.00	1350.00	Rupees one thousand three hundred fifty only
30	Providing and fixing Gun Material whel valve confirming to IS specification of approved make as per direction including all lead and lift etc complete 50mm dia (P No 94, I No 13.79.6 PWD SR 2015-16)	No's					
			2		2.00	1617.56	Rupees one thousand six hundred seventeen and paise fifty six only
			2		2.00	1617.56	Rupees one thousand six hundred seventeen and paise fifty six only
31	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., P No 51/I No 6.66 KPWD Electrical Sr 2014-15)	No's	2		2.00	311.58	Rupees three hundred eleven and paise fifty eight only

EXECUTIVE ENGINEER-4
KRIDL, BSM DIVISION,
BANGALORE

32	KSRB 2-2.2 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications No KBS 2.1(b) 2.3.5 No 5 Item No 2.4/PWD Sr 2015-16	Cum	1		1350.00	283.02	Rupees two hundred eighty three and paise two only
33	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.12 item No.3.4.2 b PRED SR 2010-11.**	Rmtr					
	75 mm dia 6 KSC PVC pipe		1	500.00	500.00	157.00	Rupees one hundred fifty seven only
	63mm dia 6KSC		1	500.00	500.00	112.00	Rupees one hundred twelve only
34	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes Confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threated fittings, this includes jointing of pipes and fittings with one step solvent cement trenching, refilling and testing of joints complete (external work) 40mm nominal OD pipes (page No 104 item no 13.87.5) for pipe line	Rmtr	1	1500.00	1500.00	291.60	Rupees two hundred ninty one and paise sixty only
35	Providing and installation at site of work 20mm GI pipes including cost of pipes and specials and labour incluidng lowering into trenches, laying ture to line, complete as per direction of Engineer in charge for public taps for motors/pipeline (P.No.90, I.No.13.11 PWD SR 15-16)	Mtr	2	58.00	116.00	207.87	Rupees two hundred seven and paise eighty seven only
36	KSRB 2-4: Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 15-16)	Cum			1350.00	76.32	Rupees seventy six and paise thirty two only
37	50 mm dia GI Union	No's	15		15.00	223.70	Rupees two hundred twenty three and paise seventy only
38	50mm dia GI Nipple	No's	15		15.00	173.00	Rupees one hundred seventy three only
39	50mm dia GI NRV	No's	15		15.00	690.00	Rupees six hundred ninty only
40	50mm dia GI Elbow	No's	15		15.00	190.00	Rupees one hundred ninty only

Signature of the Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION,
BANGALORE-560 010

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64

7.